Abdul khan

Dr. Interlandi

Period 2

Assignment # 16

The Guns accuracy would be very good and the gun would be very easy to use. According to Newton’s third law, every action has an equal and opposite reaction, the gun, when fired, will have a recoil effect. And since the bullet is only 25 grams, there won’t be high recoil, and because of this the shooter will be having a much better grip and will be able to shoot accurately. To prove this we can use the equation:

M1v1=m2v2

Variables:

M1= 0.75kg

V1=?

M2=25.0g or 0.025 kg

V2=615m/s

Solve:

M1v1=m2v2

0.75\*v1=0.025\*615

0.758v1=15.375

V1=15.375/0.75

V1 = 20.5 m/s

This means the shooter will feel a very little recoil, and will have a better grip on the gun and very good accuracy.

